

CLAIMS

1. A magnetic tape cartridge comprising:
a single reel with magnetic tape wound thereon;
a cartridge case in which said reel is rotatably housed;

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reel-rotation restraining means which allows rotation
of said reel during use and restricts said rotation during periods
of nonuse;

wherein said reel-rotation restraining means has
a reel locking member, which is movable toward and away
from said reel, for restricting rotation of said reel,

an urging member for urging said reel locking member
in a restraining direction, and

an releasing member, which is rotatable integrally with
said reel, for moving said reel locking member in an unlocking
direction by moving according to a chucking operation of rotation
means provided in a drive unit;

and wherein said releasing member has

a generally triangular plate portion, and

20 three leg portions, provided on vertexes of said
triangular plate portion, and having a lower end which is inserted
into a through hole provided in said reel and abuts part of the
rotation means of said drive unit;

25 and wherein said releasing member is sized so that with
part of said releasing member inserted into a center opening
of said reel, and two of said three leg portions positioned near

said through holes, the remaining one leg portion is dropped and inserted within the center opening of said reel.

2. The magnetic tape cartridge as defined in claim 1, wherein the triangular plate portion of said releasing member has a holding portion so that it can be positioned and held by an assembling tool.

3. The magnetic tape cartridge as defined in claim 2, wherein said holding portion is constructed of a bore penetrating the plate portion of said releasing member, said bore being formed obliquely toward a sliding portion of said releasing member that contacts said restraining member.

4. The magnetic tape cartridge as defined in claim 1, further comprising:

leader tape firmly attached at one end thereof to a leading end of said magnetic tape;

a leader member, firmly attached to the other end of said leader tape, for pulling out said magnetic tape to a magnetic recording-reproducing unit; and

reinforcement tape stuck near an end of said leader tape to which said leader member is firmly attached;

wherein at least one side of said leader tape has a center-line average surface roughness (Ra) of 4 nm or greater.

5. The magnetic tape cartridge as defined in claim 4, wherein said leader tape has a base material having a lengthwise elastic modulus of 630 kg/mm^2 or less and a widthwise elastic modulus of 580 kg/mm^2 or less, preferably a lengthwise elastic

modulus of 550 kg/mm^2 or less and a widthwise elastic modulus of 550 kg/mm^2 or less.

6. The magnetic tape cartridge as defined in claim 4, wherein the base material of said leader tape is formed from polyethylene terephthalate (PET) film or polyimide (PI) film.

7. The magnetic tape cartridge as defined in claim 4, wherein a thickness of said leader tape is less than or equal to five times a thickness of said magnetic tape, preferably less than or equal to three times, and further preferably less than or equal to two times.

8. The magnetic tape cartridge as defined in claim 4, wherein said leader tape has a length greater than or equal to the sum total of a length of a tape running path leading from an opening formed in said cartridge case to a machine reel in said magnetic recording-reproducing unit, and a length of said leader tape wound at least three times the reel hub circumference on said machine reel.

9. A magnetic tape cartridge comprising:

a cartridge case in which a single reel with magnetic tape wound thereon is rotatably housed; and

leader tape joined to a leading end of said magnetic tape so that it is pulled out to a magnetic recording-reproducing unit, along with said magnetic tape;

wherein at least one surface of said leader tape is provided with a magnetic layer having a specific surface resistance of $1 \times 10^{13} \Omega/2.54 \text{ cm}^2$ or less.

10. A magnetic tape cartridge comprising:

a cartridge case in which a single reel with magnetic tape wound thereon is rotatably housed; and

leader tape joined to a leading end of said magnetic tape so that it is pulled out to a magnetic recording-reproducing unit, along with said magnetic tape;

wherein said leader tape is constructed of sheet form metal tape having a specific surface resistance of $1 \times 10^{13} \Omega/2.54\text{cm}^2$ or less.

11. A magnetic tape cartridge comprising:

a cartridge case in which a single reel with magnetic tape wound thereon is rotatably housed;

leader tape firmly attached at one end thereof to a leading end of said magnetic tape; and

a leader member, firmly attached to the other end of said leader tape, for pulled out said magnetic tape to a magnetic recording-reproducing unit.